(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



1 DERD BINGER I I DERDE REIN BEIN BERN BERN IN AN HEINE BERN LEIDE ABER BINGE BER BER IN DER EINE FERE FERE

(43) International Publication Date 16 December 2004 (16.12.2004)

(10) International Publication Number WO 2004/108158 A1

(51) International Patent Classification7: A61K 39/395, C07K 16/00, C12N 15/13

(21) International Application Number:

PCT/US2004/017219

(22) International Filing Date: 28 May 2004 (28.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/475,155

2 June 2003 (02.06.2003) US

- (71) Applicant (for all designated States except US): ALEX-ION PHARMACEUTICALS, INC. [US/US]; 352 Knotter Drive, Cheshire, CT 06410 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ROTHER, Russell, P. [US/US]; 25 Blue Trail Drive, Prospect, CT 06712 (US). FAAS-KNIGHT, Susan [US/US]; 14 Stonewood Drive, Old Lyme, CT 06371 (US). WU, Dayang [CN/US]; 755 Devonwood Drive, Cheshire, CT 06410 (US). CARR, Francis, J. [GB/GB]; Aberdeen AB228GU (GB). HAMILTON, Anita [GB/GB]; Aberdeen AB228GU (GB).
- (74) Agents: FARBER, Mark et al.; Alexion Pharmaceuticals, Inc., 352 Knotter Drive, Cheshire, CT 06410 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DE-IMMUNIZED ANTI-CD3 ANTIBODY

(57) Abstract: Antibodies or functional antibody fragments that recognize or interfere with the production of a component of the CD3 antigen complex are de-immunized.